



**United States Environmental Protection Agency
Region 9 Laboratory**

**1337 S. 46th Street Building 201
Richmond, CA 94804**

Date: 2/21/2012

Subject: Analytical Testing Results - Project R33911
SDG: 12044A

From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2

To: Richard Fetzer
US EPA Region 3, Eastern Response Branch
3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Extractable Petroleum Hydrocarbons by
GC/FID



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzer

Project Number: R33911

Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch

100 Gypsum Road

Stroudsburg PA, 18360

SDG: 12044A

Reported: 02/21/12 16:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HW49	1202034-01	Water	02/09/12 14:11	02/11/12 11:15
HW49-P	1202034-02	Water	02/09/12 14:26	02/11/12 11:15
FB14	1202034-04	Water	02/09/12 13:36	02/11/12 11:15
HW44	1202034-05	Water	02/09/12 14:49	02/11/12 11:15
FB15	1202034-07	Water	02/10/12 11:21	02/11/12 11:15
HW36n	1202034-08	Water	02/10/12 10:53	02/11/12 11:15
HW36n-P	1202034-09	Water	02/10/12 11:02	02/11/12 11:15
HW16	1202034-11	Water	02/10/12 11:21	02/11/12 11:15
HW16-P	1202034-12	Water	02/10/12 11:37	02/11/12 11:15
HW16z	1202034-13	Water	02/10/12 11:22	02/11/12 11:15
HW54	1202034-15	Water	02/10/12 14:08	02/11/12 11:15
HW54-P	1202034-16	Water	02/10/12 14:30	02/11/12 11:15

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Work Order(s)

1202034



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202034-01						Water - Sampled: 02/09/12 14:11			
Sample ID: HW49						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	240	ug/L	B2B0057	02/13/12	02/14/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	950	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		86 %		60-127%		"	"	"	
Lab ID: 1202034-02						Water - Sampled: 02/09/12 14:26			
Sample ID: HW49-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	240	ug/L	B2B0057	02/13/12	02/14/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	950	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		92 %		60-127%		"	"	"	
Lab ID: 1202034-04						Water - Sampled: 02/09/12 13:36			
Sample ID: FB14						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0057	02/13/12	02/14/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		100 %		60-127%		"	"	"	
Lab ID: 1202034-05						Water - Sampled: 02/09/12 14:49			
Sample ID: HW44						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0057	02/13/12	02/14/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		87 %		60-127%		"	"	"	
Lab ID: 1202034-07						Water - Sampled: 02/10/12 11:21			
Sample ID: FB15						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0057	02/13/12	02/14/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		89 %		60-127%		"	"	"	
Lab ID: 1202034-08						Water - Sampled: 02/10/12 10:53			
Sample ID: HW36n						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0057	02/13/12	02/14/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		88 %		60-127%		"	"	"	
Lab ID: 1202034-09						Water - Sampled: 02/10/12 11:02			
Sample ID: HW36n-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0057	02/13/12	02/14/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		85 %		60-127%		"	"	"	
Lab ID: 1202034-11						Water - Sampled: 02/10/12 11:21			



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202034-11						Water - Sampled: 02/10/12 11:21			
Sample ID: HW16						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0057	02/13/12	02/14/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		88 %		60-127%		"	"	"	
Lab ID: 1202034-12						Water - Sampled: 02/10/12 11:37			
Sample ID: HW16-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0057	02/13/12	02/14/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		85 %		60-127%		"	"	"	
Lab ID: 1202034-13						Water - Sampled: 02/10/12 11:22			
Sample ID: HW16z						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0057	02/13/12	02/14/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		92 %		60-127%		"	"	"	
Lab ID: 1202034-15						Water - Sampled: 02/10/12 14:08			
Sample ID: HW54						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0057	02/13/12	02/14/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		84 %		60-127%		"	"	"	
Lab ID: 1202034-16						Water - Sampled: 02/10/12 14:30			
Sample ID: HW54-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0057	02/13/12	02/14/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		83 %		60-127%		"	"	"	



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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B2B0057 - 3520C CLLE - TPH - Extractable						Prepared: 02/13/12 Analyzed: 02/14/12				
Blank (B2B0057-BLK1)						Extractable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control				
TPH - Diesel Range Organics	ND	U	250	ug/L						
TPH - Oil Range Organics	ND	U	1,000	"						
Surrogate: Hexacosane	136			"	150		90	60-127		
LCS (B2B0057-BS1)										
TPH - Diesel Range Organics	1,340		250	ug/L	1500		90	54-115		
Surrogate: Hexacosane	145			"	150		96	60-127		
Matrix Spike (B2B0057-MS1)			Source: 1202034-05							
TPH - Diesel Range Organics	1,280		250	ug/L	1520	ND	84	67-110		20
Surrogate: Hexacosane	134			"	152		88	60-127		
Matrix Spike Dup (B2B0057-MSD1)			Source: 1202034-05							
TPH - Diesel Range Organics	1,310		250	ug/L	1550	ND	85	67-110	3	20
Surrogate: Hexacosane	139			"	155		90	60-127		



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Qualifiers and Comments

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.